

**LIST OF PRIOR ART CITED BY
APPLICANT**
(PTO-1449)

ATTY. DOCKET NO. SPRX-0023USC1	APPLN. SERIAL NO. 10/603,597
APPLICANT(S) Mark L. FAUPEL et al.	
CUSTOMER NO. 34610	
FILING DATE June 26, 2003	GROUP To Be Assigned

U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	*PATENT NO.	*ISSUE DATE	*INVENTOR NAME	CLASS	SUBCLASS	FILING DATE
A1 FHD	3,494,354	02/10/70	YOKOTA et al.			
B1	4,056,724	11/01/77	HARTE			
C1	4,071,020	01/31/78	PUGLIESE			
D1	4,084,905	04/18/78	SCHREIBER et al.			
E1	4,099,872	07/11/78	WHITE			
F1	4,115,699	09/19/78	MIZUTA et al.			
G1	4,122,348	10/24/78	BRUCK			
H1	4,125,828	11/14/78	RESNICK et al.			
I1	4,127,773	11/28/78	WEST			
J1	4,131,800	12/26/78	BRUCK et al.			
K1	4,144,452	03/13/79	HARTE			
L1	4,160,016	07/03/79	ULLMAN			
M1	4,161,515	07/17/79	ULLMAN			
N1	4,162,405	07/24/79	CHANCE et al.			
O1	4,203,670	05/20/80	BROMBERG			
P1	4,213,762	07/80	SATO			
Q1	4,223,680	09/23/80	JOBSIS			
R1	4,236,526	12/02/80	RICHARD			
S1	4,266,549	05/12/81	KIMURA			
T1	4,330,207	05/18/82	NOGAMI et al.			
U1	4,407,964	10/04/83	ELINGS et al.			
V1	4,449,535	05/22/84	RENAULT			
W1	4,501,970	02/26/85	NELSON			
X1	4,516,856	05/14/85	POPELKA			
Y1	4,531,834	07/30/85	NOGAMI			
Z1	4,541,438	09/17/85	PARKER et al.			
A2	4,556,057	12/03/85	HIRUMA et al.			
B2	4,577,110	03/18/86	MacBRIDE et al.			
C2	4,600,306	07/15/86	HARA et al.			
D2	4,632,550	12/30/86	HARA et al.			
E2	4,643,877	01/17/87	OPITZ et al.			
F2	4,661,711	04/28/87	HARJUNMAA			
G2	4,675,529	06/23/87	KUSHIDA			

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H2 FHD	4,681,859	07/21/87	KRAMER			
I2	4,682,594	07/28/87	MOK			
J2	4,686,371	08/11/87	BIRCH et al.			
K2	4,697,870	10/06/87	RICHARDS			
L2	4,718,417	01/12/88	KITTRELL et al.			
M2	4,722,607	02/02/88	ANSELMENT et al.			
N2	4,731,326	03/15/88	THOMPSON et al.			
O2	4,751,190	06/14/88	CHIAPETTA et al.			
P2	4,753,530	06/28/88	KNIGHT et al.			
Q2	4,755,684	07/05/88	LEINER et al.			
R2	4,758,727	07/19/88	TOMEI et al.			
S2	4,785,513	09/06/88	SUZUKI			
T2	4,772,093	09/20/88	ABELE et al.			
U2	4,785,806	11/22/88	DECKELBAUM			
V2	4,786,170	11/22/88	GROEBLER			
W2	4,786,813	11/22/88	SVANBERG et al.			
X2	4,828,984	05/09/89	SCHWARTZ			
Y2	4,833,332	05/23/89	ROBERTSON, Jr. et al.			
Z2	4,840,485	06/20/89	GRATTON			
A3	4,852,579	08/01/89	GILSTAD et al.			
B3	4,855,930	08/08/89	CHAO et al.			
C3	4,877,583	10/31/89	MIWA et al.			
D3	4,877,965	10/31/89	DANDLIKER et al.			
E3	4,894,547	01/16/90	LEFFELL et al.			
F3	4,894,806	01/16/90	JEN et al.			
G3	4,895,156	01/23/90	SCHULZE			
H3	4,913,142	04/03/90	KITTRELL et al.			
I3	4,925,804	05/15/90	HALE et al.			
J3	4,930,516	06/05/60	ALFANO et al.			
K3	4,937,457	06/26/90	MITCHELL			
L3	4,947,850	08/14/90	VANDERKOOI et al.			
M3	4,957,114	09/18/90	ZENG et al.			
N3	4,972,331	11/20/90	CHANCE			

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O3 FHD	4,973,848	11/27/90	KOLOBANOV et al.			
P3	4,981,138	01/01/91	DECKELBAUM et al.			
Q3	4,988,212	01/29/91	SUN et al.			
R3	5,003,977	04/02/91	SUZUKI et al.			
S3	5,014,707	05/14/91	SCHWARZ et al.			
T3	5,021,661	06/04/91	MASUTANI			
U3	5,022,757	06/11/91	MODELL			
V3	5,030,982	07/09/91	WILLIAMS et al.			
W3	5,034,010	07/23/91	KITTRELL et al.			
X3	5,039,219	08/13/91	JAMES et al.			
Y3	5,042,494	08/27/91	ALFANO			
Z3	5,043,585	08/27/91	FEHRENBACH et al.			
A4	5,053,626	10/01/91	TILLOTSON			
B4	5,061,075	10/29/91	ALFANO et al.			
C4	5,061,076	10/29/91	HURLEY			
D4	5,062,431	11/05/91	POTTER			
E4	5,090,415	02/1992	YAMASHITA et al.			
F4	5,092,331	03/03/92	NAKAMURA et al.			
G4	5,104,392	04/14/92	KITTRELL et al.			
H4	5,103,387	04/21/92	KITTRELL et al.			
I4	5,111,821	05/12/92	POTTER			
J4	5,115,137	05/19/92	ANDERSSON-ENGELS et al.			
K4	5,119,815	06/09/92	CHANCE			
L4	5,122,974	06/16/92	CHANCE			
M4	5,125,404	06/30/92	KITTRELL et al.			
N4	5,127,405	07/07/92	ALCALA et al.			
O4	5,131,398	07/21/92	ALFANO et al.			
P4	5,143,066	09/01/92	KOMIVES et al.			
Q4	5,151,869	09/29/92	ALCALA			
R4	5,154,164	10/13/92	CHIKAMA			
S4	5,168,162	12/01/92	OONG et al.			

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T4	5,187,672	02/16/93	CHANCE			
U4	5,192,278	03/09/93	HAYES et al.			
V4	5,196,709	03/23/93	BERNDT et al.			
W4	5,201,318	04/13/93	RAVA et al.			
X4	5,201,908	04/13/93	JONES			
Y4	5,205,291	04/27/93	POTTER			
Z4	5,212,099	05/18/93	MARCUS			
A5	5,213,105	05/25/93	GRATTON et al.			
B5	5,257,202	10/26/93	FEDDERSEN et al.			
C5	5,261,410	11/16/93	ALFANO et al.			
D5	5,290,275	03/01/94	KITTRLELL et al.			
E5	5,293,872	03/15/94	ALFANO et al.			
F5	5,303,026	04/12/94	STROBL et al.			
G5	5,304,173	04/19/94	KITTRLELL et al.			
H5	5,315,993	05/31/94	ALCALA			
I5	5,318,023	06/07/94	VARI et al.			
J5	5,318,024	06/07/94	KITTRLELL et al.			
K5	5,323,008	06/21/94	STUDHOLME et al.			
L5	5,329,353	07/12/94	ICHIMURA et al.			
M5	5,332,905	07/26/94	BROOKER et al.			
N5	5,340,716	08/23/94	ULLMAN et al.			
O5	5,345,941	09/13/94	RAVA et al.			
P5	5,348,018	09/20/94	ALFANO et al.			
Q5	5,348,890	09/20/94	ICHIKAWA et al.			
R5	5,349,954	09/27/94	TIEMANN et al.			
S5	5,353,799	10/11/94	CHANCE			
T5	5,363,854	11/15/94	MARTENS et al.			
U5	5,369,496	11/29/94	ALFANO et al.			
V5	5,370,119	12/06/94	MORDON et al.			
W5	5,377,676	01/03/95	VARI et al.			
X5	5,383,467	01/24/95	AUER et al.			
Y5	5,386,827	02/07/95	CHANCE et al.			

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Z5	5,395,752	03/07/95	LAW et al.			
A6	5,402,778	04/04/95	CHANCE			
B6	5,408,996	04/25/95	SALB			
C6	5,413,108	05/09/95	ALFANO			
D6	5,419,323	05/30/95	KITTRELL et al.			
E6	5,421,337	06/06/95	RICHARDS-KORTUM et al.			
F6	5,421,339	06/06/95	RAMANUJAM et al.			
G6	5,422,719	06/06/95	GOLDSTEIN			
H6	5,435,307	07/25/95	FRIAUF et al.			
I6	5,439,000	08/08/95	GUNDERSON et al.			
J6	5,452,723	09/26/95	WU et al.			
K6	5,459,323	10/17/95	MORGAN			
L6	5,460,971	10/24/95	GOTTLIEB			
M6	5,467,767	11/21/95	ALFANO et al.			
N6	5,474,910	12/12/95	ALFANO			
O6	5,479,099	12/19/95	JILES et al.			
P6	5,480,775	01/02/96	ITO et al.			
Q6	5,485,530	01/16/96	LAKOWICZ et al.			
R6	5,489,536	02/06/96	EKECHUKWU			
S6	5,491,343	02/13/96	BROOKER			
T6	5,492,118	02/20/96	GRATTON et al.			
U6	5,497,769	03/12/96	GRATTON et al.			
V6	5,500,536	03/19/96	NOGAMI et al.			
W6	5,503,616	04/02/96	JONES			
X6	5,504,336	04/02/96	NOGUCHI			
Y6	5,507,287	04/16/96	PALCIC et al.			
Z6	5,515,864	05/14/96	ZUCKERMAN			
A7	5,517,313	05/14/96	COLVEN, Jr.			
B7	5,533,508	07/09/96	DOIRON			
C7	5,536,235	07/16/96	YABE et al.			
D7	5,548,124	08/20/96	TAKESHIMA et al.			

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E7	5,533,614	09/10/96	CHANCE			
F7	5,555,885	09/17/96	CHANCE			
G7	5,557,415	09/17/96	NIELSEN et al.			
H7	5,562,100	10/08/96	KITTRELL et al.			
I7	5,564,417	10/15/96	CHANCE			
J7	5,565,982	10/15/96	LEE et al.			
K7	5,579,773	12/03/96	VO-DINH et al.			
L7	5,582,168	12/10/96	SAMUELS et al.			
M7	5,590,660	01/07/97	MacAULAY et al.			
N7	5,596,987	01/28/97	CHANCE			
O7	5,596,992	01/28/97	HAALAND et al.			
P7	5,601,079	02/1/97	WONG et al.			
Q7	5,601,087	02/11/97	GUNDERSON et al.			
R7	5,612,540	03/18/97	RICHARDS-KORTUM et al.			
S7	5,619,992	04/15/97	GUTHRIC et al.			
T7	5,623,932	04/29/97	RAMANUJAM et al.			
U7	5,624,847	04/29/97	LAKOWICZ et al.			
V7	5,626,134	05/06/97	ZUCKERMAN			
W7	5,628,310	05/13/97	RAO et al.			
X7	5,630,423	05/20/97	WANG et al.			
Y7	5,635,402	06/03/97	ALFANO et al.			
Z7	5,647,368	07/15/97	ZENG et al.			
A8	5,664,574	09/09/97	CHANCE			
B8	5,673,701	10/07/97	CHANCE			
C8	5,674,182	10/07/97	SUZUKI et al.			
D8	5,678,550	10/21/97	BASSEN et al.			
E8	5,683,888	11/04/97	CAMPBELL			
F8	5,687,730	11/18/97	DOIRON et al.			
G8	5,697,373	12/16/97	RICHARDS-KORTUM et al.			
H8	5,699,795	12/23/97	RICHARDS-KORTUM et al.			
I8	5,699,798	12/23/97	HOCHMAN et al.			

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J9	5,701,902	12/30/97	VARI et al.			
K9	5,701,903	12/30/97	SANO et al.			
L9	5,713,352	02/03/98	ESSENPREIS et al.			
M9	5,713,364	02/03/98	DEBRAYSHE et al.			
N9	5,722,406	03/03/98	PAPAIOANNOU			
O9	5,762,609	06/09/98	BENARON et al.			
P9	5,797,836	08/25/98	LUCEY et al.			
Q9	5,807,263	09/15/98	CHANCE			
R9	5,827,177	10/27/98	ONEDA et al.			
S9	5,852,494	12/22/98	SKLADNEV et al.			
T9	5,893,712	04/13/99	STONE et al.			
U9	5,901,261	05/04/99	WACH			
V9	5,902,246	05/11/99	McHENRY et al.			
W9	5,916,210	06/29/99	WINSTON			
X9	5,912,179	06/15/99	ALVAREZ et al.			
Y9	5,919,140	07/06/99	PERELMAN et al.			
Z9	5,920,399	07/06/99	SANDISON et al.			
A10	5,929,985	07/27/99	SANDISON et al.			
B10	5,941,822	08/24/99	SKLADNEV et al.			
C10	5,941,834	08/24/99	SKLADNEV et al.			
D10	5,949,077	09/07/99	ALFANO et al.			
E10	5,953,477	09/14/99	WACH et al.			
F10	5,983,125	11/09/99	ALFANO et al.			
G10	5,984,861	11/16/99	CROWLEY			
H10	5,991,653	11/23/99	RICHARDS-KORTUM et al.			
I10	6,021,344	02/2000	LUI et al.			
J10	6,055,451	04/2000	BAMBOT et al.			
K10	6,070,093	05/2000	OOSTA et al.			
L10	6,091,984	07/2000	PERELMAN et al.			
M10	6,104,939	08/2000	GRONER et al.			
N10	6,246,901	06/2001	BENARON			

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O10 FHD	6,167,297	12/2000	BENARON			
P10	5,987,346	11/1999	BENARON et al.			
Q10	5,807,261	09/1998	BENARON et al.			
R10	5,785,658	07/1998	BENARON et al.			
S10	5,769,791	06/1998	BENARON et al.			
T10	5,515,847	05/1996	BRAIG et al.			
U10	5,313,941	05/1994	BRAIG et al.			
V10	5,772,597	06/1998	GOLDBERGER et al.			
W10 D	5,460,187	10/1995	GOODMAN et al.			

FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No
X10 FHD	WO00/15101	03/23/00	WIPO				

OTHER ART (Including Author, Title, Date, Pertinent Pages, Publisher, Place of Publication, Etc.)

Y10 FHD	Shabbir B. Bambot et al., "Sensing oxygen through skin using a red diode laser and fluorescence lifetimes", Biosens and Bioelectronics, Vol. 10, Nov. 6/7, pp 643-652, 1995.
Z10 FHD	Kevin T. Shoemacher et al., "Ultraviolet Laser-Induced Fluorescence of Colonic Tissues: Basic Biology and Diagnostic Potential", Laser in Surgery Medicine, Vol. 12, pp 63-78, 1992.
A11 FHD	Charles E. Alpers et al., "The Prevalence of Carcinoma In Situ In Normal and Cancer Associated Breasts," Human Pathology, Vol. 16, No. 8, pp. 796-807, August 1985
B11 FHD	Danely Slaughter et al., "Field Cancerization in Oral Stratified Squamous Epithelium: Clinical Implication of Multicentric Origin Cancer, Vol. 6, pp. 963-968, 1952
C11 FHD	Cancer Diagnostics, The World Market, Clinical Reports, PJB Publications, p.72, 1997

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